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8-8-01

RAW SEQUENCE LISTING

DATE: 04/06/2001

PATENT APPLICATION: US/09/543,679A

TIME: 11:11:23

Input Set : D:\SeqLst-03-21-01.txt

Output Set: N:\CRF3\04062001\I543679A.raw

ENTERED

## SEQUENCE LISTING

C--> 3 (1) GENERAL INFORMATION:  
4 (i) APPLICANT: NYCE, Jonathan W.  
W--> 5 (ii) TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,  
6 COMPOSITIONS, KIT & METHOD FOR TREATMENT  
7 OF AIRWAY DISORDERS ASSOCIATED WITH  
8 BRONCHOCONSTRICTION, LUNG INFLAMMATION,  
W--> 9 ALLERGY(IES) & SURFACTANT DEPLETION  
10 (iii) NUMBER OF SEQUENCES: 3111  
11 (iv) CORRESPONDENCE ADDRESS:  
12 (A) ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.  
13 (B) STREET: 7 Clarke Drive  
14 (C) CITY: Cranbury  
15 (D) STATE: NJ  
16 (E) COUNTRY: USA  
17 (F) ZIP: 08512  
18 (v) COMPUTER READABLE FORM:  
19 (A) MEDIUM TYPE: CD-R  
20 (B) COMPUTER: IBM Compatible  
21 (C) OPERATING SYSTEM: DOS  
22 (D) SOFTWARE: N/A  
23 (vi) CURRENT APPLICATION DATA:  
C--> 24 (A) APPLICATION NUMBER: US/09/543,679A  
C--> 25 (B) FILING DATE: 13-Apr-2000  
26 (C) CLASSIFICATION: UNKNOWN  
27 (vii) PRIOR APPLICATION DATA:  
28 (A) APPLICATION NUMBER: 60/127,958  
29 (B) FILING DATE: 1998-08-03  
30 (viii) ATTORNEY/AGENT INFORMATION:  
31 (A) NAME: Amzel, Viviana  
32 (B) REGISTRATION NUMBER: 30,930  
33 (C) REFERENCE/DOCKET NUMBER: EPI-0067191b  
34 (ix) TELECOMMUNICATION INFORMATION:  
35 (A) TELEPHONE: 609-409-3035  
36 (B) TELEFAX: 413-254-9245  
37 (C) TELEX:  
39 (2) INFORMATION FOR SEQ ID NO: 1:  
40 (i) SEQUENCE CHARACTERISTICS:  
41 (A) LENGTH: 21 base pairs  
42 (B) TYPE: nucleic acid  
43 (C) STRANDEDNESS: single  
44 (D) TOPOLOGY: linear  
45 (ii) MOLECULE TYPE: cDNA  
46 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
47 GATGGAGGGC GGCATGGCGG G  
49 (2) INFORMATION FOR SEQ ID NO: 2:  
50 (i) SEQUENCE CHARACTERISTICS:

21

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51      (A) LENGTH: 21 base pairs
52      (B) TYPE: nucleic acid
53      (C) STRANDEDNESS: single
54      (D) TOPOLOGY: linear
55      (ii) MOLECULE TYPE: cDNA
56      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
57 GTAGCAGGCG GGGATGGGGG C                                21
59 (2) INFORMATION FOR SEQ ID NO: 3:
60      (i) SEQUENCE CHARACTERISTICS:
61          (A) LENGTH: 18 base pairs
62          (B) TYPE: nucleic acid
63          (C) STRANDEDNESS: single
64          (D) TOPOLOGY: linear
65      (ii) MOLECULE TYPE: cDNA
66      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
67 GTTGTTGGGC ATCTTGCC                                18
69 (2) INFORMATION FOR SEQ ID NO: 4:
70      (i) SEQUENCE CHARACTERISTICS:
71          (A) LENGTH: 18 base pairs
72          (B) TYPE: nucleic acid
73          (C) STRANDEDNESS: single
74          (D) TOPOLOGY: linear
75      (ii) MOLECULE TYPE: cDNA
76      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
77 GTACTTGCGG ATCTAGGC                                18
79 (2) INFORMATION FOR SEQ ID NO: 5:
80      (i) SEQUENCE CHARACTERISTICS:
81          (A) LENGTH: 18 base pairs
82          (B) TYPE: nucleic acid
83          (C) STRANDEDNESS: single
84          (D) TOPOLOGY: linear
85      (ii) MOLECULE TYPE: cDNA
86      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
87 GTGGGCCTAG CTCTCGCC                                18
89 (2) INFORMATION FOR SEQ ID NO: 6:
90      (i) SEQUENCE CHARACTERISTICS:
91          (A) LENGTH: 18 base pairs
92          (B) TYPE: nucleic acid
93          (C) STRANDEDNESS: single
94          (D) TOPOLOGY: linear
95      (ii) MOLECULE TYPE: cDNA
96      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
97 GTCGGGGTAC CTGTCGGC                                18
99 (2) INFORMATION FOR SEQ ID NO: 7:
100      (i) SEQUENCE CHARACTERISTICS:
101          (A) LENGTH: 21 base pairs
102          (B) TYPE: nucleic acid
103          (C) STRANDEDNESS: single
104          (D) TOPOLOGY: linear

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105      (ii) MOLECULE TYPE: cDNA
106      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
107 CTCGTCGCCG TCGCCGGCGG G                                21
109 (2) INFORMATION FOR SEQ ID NO: 8:
110      (i) SEQUENCE CHARACTERISTICS:
111          (A) LENGTH: 20 base pairs
112          (B) TYPE: nucleic acid
113          (C) STRANDEDNESS: single
114          (D) TOPOLOGY: linear
115      (ii) MOLECULE TYPE: cDNA
116      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
117 GGGTGGTGCT ATTGTCGGGC                                20
119 (2) INFORMATION FOR SEQ ID NO: 9:
120      (i) SEQUENCE CHARACTERISTICS:
121          (A) LENGTH: 15 base pairs
122          (B) TYPE: nucleic acid
123          (C) STRANDEDNESS: single
124          (D) TOPOLOGY: linear
125      (ii) MOLECULE TYPE: cDNA
126      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
127 GGCCAGGGC CAGCC                                    15
129 (2) INFORMATION FOR SEQ ID NO: 10:
130      (i) SEQUENCE CHARACTERISTICS:
131          (A) LENGTH: 21 base pairs
132          (B) TYPE: nucleic acid
133          (C) STRANDEDNESS: single
134          (D) TOPOLOGY: linear
135      (ii) MOLECULE TYPE: cDNA
136      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
137 GGCCGGGCCA GCCGGGCCG G                                21
139 (2) INFORMATION FOR SEQ ID NO: 11:
140      (i) SEQUENCE CHARACTERISTICS:
141          (A) LENGTH: 50 base pairs
142          (B) TYPE: nucleic acid
143          (C) STRANDEDNESS: single
144          (D) TOPOLOGY: linear
145      (ii) MOLECULE TYPE: cDNA
146      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
147 GCGGCCTGGA AAGCTGAGAT GGAGGGCGGC ATGGCGGGCA CAGGCTGGGC    50
149 (2) INFORMATION FOR SEQ ID NO: 12:
150      (i) SEQUENCE CHARACTERISTICS:
151          (A) LENGTH: 49 base pairs
152          (B) TYPE: nucleic acid
153          (C) STRANDEDNESS: single
154          (D) TOPOLOGY: linear
155      (ii) MOLECULE TYPE: cDNA
156      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
157 CGGCCTGGAA AGCTGAGATG GAGGGCGGCA TGGCGGGCAC AGGCTGGGC    49
159 (2) INFORMATION FOR SEQ ID NO: 13:

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160      (i) SEQUENCE CHARACTERISTICS:
161          (A) LENGTH: 48 base pairs
162          (B) TYPE: nucleic acid
163          (C) STRANDEDNESS: single
164          (D) TOPOLOGY: linear
165      (ii) MOLECULE TYPE: cDNA
166      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
167 GGCCTGGAAA GCTGAGATGG AGGGCGGCAT GCGGGGCACA GGCTGGGC      48
169 (2) INFORMATION FOR SEQ ID NO: 14:
170      (i) SEQUENCE CHARACTERISTICS:
171          (A) LENGTH: 47 base pairs
172          (B) TYPE: nucleic acid
173          (C) STRANDEDNESS: single
174          (D) TOPOLOGY: linear
175      (ii) MOLECULE TYPE: cDNA
176      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
177 GCCTGGAAAG CTGAGATGGA GGGCGGCATG GCGGGCACAG GCTGGGC      47
179 (2) INFORMATION FOR SEQ ID NO: 15:
180      (i) SEQUENCE CHARACTERISTICS:
181          (A) LENGTH: 46 base pairs
182          (B) TYPE: nucleic acid
183          (C) STRANDEDNESS: single
184          (D) TOPOLOGY: linear
185      (ii) MOLECULE TYPE: cDNA
186      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
187 CCTGGAAAGC TGAGATGGAG GCGGCATGG CGGGCACAGG CTGGGC      46
189 (2) INFORMATION FOR SEQ ID NO: 16:
190      (i) SEQUENCE CHARACTERISTICS:
191          (A) LENGTH: 45 base pairs
192          (B) TYPE: nucleic acid
193          (C) STRANDEDNESS: single
194          (D) TOPOLOGY: linear
195      (ii) MOLECULE TYPE: cDNA
196      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
197 CTGGAAAGCT GAGATGGAGG GCGGCATGGC GGGCACAGGC TGGGC      45
199 (2) INFORMATION FOR SEQ ID NO: 17:
200      (i) SEQUENCE CHARACTERISTICS:
201          (A) LENGTH: 44 base pairs
202          (B) TYPE: nucleic acid
203          (C) STRANDEDNESS: single
204          (D) TOPOLOGY: linear
205      (ii) MOLECULE TYPE: cDNA
206      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
207 TGGAAGCTG AGATGGAGGG CGGCATGGCG GGCACAGGCT GGGC      44
209 (2) INFORMATION FOR SEQ ID NO: 18:
210      (i) SEQUENCE CHARACTERISTICS:
211          (A) LENGTH: 43 base pairs
212          (B) TYPE: nucleic acid
213          (C) STRANDEDNESS: single

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```

214      (D) TOPOLOGY: linear
215      (ii) MOLECULE TYPE: cDNA
216      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
217 GGAAAGCTGA GATGGAGGGC GGCATGGCGG GCACAGGCTG GGC      43
219 (2) INFORMATION FOR SEQ ID NO: 19:
220      (i) SEQUENCE CHARACTERISTICS:
221          (A) LENGTH: 42 base pairs
222          (B) TYPE: nucleic acid
223          (C) STRANDEDNESS: single
224          (D) TOPOLOGY: linear
225      (ii) MOLECULE TYPE: cDNA
226      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
227 GAAAGCTGAG ATGGAGGGCG GCATGGCGGG CACAGGCTGG GC      42
229 (2) INFORMATION FOR SEQ ID NO: 20:
230      (i) SEQUENCE CHARACTERISTICS:
231          (A) LENGTH: 41 base pairs
232          (B) TYPE: nucleic acid
233          (C) STRANDEDNESS: single
234          (D) TOPOLOGY: linear
235      (ii) MOLECULE TYPE: cDNA
236      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
237 AAAGCTGAGA TGGAGGGCGG CATGGCGGGC ACAGGCTGGG C      41
239 (2) INFORMATION FOR SEQ ID NO: 21:
240      (i) SEQUENCE CHARACTERISTICS:
241          (A) LENGTH: 40 base pairs
242          (B) TYPE: nucleic acid
243          (C) STRANDEDNESS: single
244          (D) TOPOLOGY: linear
245      (ii) MOLECULE TYPE: cDNA
246      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
247 AAGCTGAGAT GGAGGGCGGC ATGGCGGGCA CAGGCTGGGC      40
249 (2) INFORMATION FOR SEQ ID NO: 22:
250      (i) SEQUENCE CHARACTERISTICS:
251          (A) LENGTH: 39 base pairs
252          (B) TYPE: nucleic acid
253          (C) STRANDEDNESS: single
254          (D) TOPOLOGY: linear
255      (ii) MOLECULE TYPE: cDNA
256      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
257 AGCTGAGATG GAGGGCGGCA TGGCGGGCAC AGGCTGGGC      39
259 (2) INFORMATION FOR SEQ ID NO: 23:
260      (i) SEQUENCE CHARACTERISTICS:
261          (A) LENGTH: 38 base pairs
262          (B) TYPE: nucleic acid
263          (C) STRANDEDNESS: single
264          (D) TOPOLOGY: linear
265      (ii) MOLECULE TYPE: cDNA
266      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
267 GCTGAGATGG AGGGCGGCAT GGCGGGCACA GGCTGGGC      38

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